



Page No. 1 of 1

CERTIFICATE OF CALIBRATION

Certificate No: CC-23-2	4-NS-1510/01	SRF No	VCI-23-24-NS-1510
Customer Name & Add			31.10.2023
M/s. BIO MICRO L	ABORATORIES	Date of Receipt	31.10.2023
No.67, Alagap	uram Main Road,	Date of Calibration	30,10,2024
	galam Police Station,	Due Date of Calibration	
	5	Date of Issue	01.11.2023
Salem - 5.		(F.8)	
Details of Unit Under C		Make	-
Description	Micro Pipette		-
Range	5 µl	Model	pvc
Resolution	NA	Material	
Serial Number	364706	Operating Range	5μ1
	BML-P1	Condition of UUC	Good
ID Number	Mechanical Lab	Instrument Location	_
Cal. At	Mechanical Lab		
		Calibra	tion Method Used

	1.1.0	4:ti		Calibration Method	Used
Envir		Condition	T. 20	National / International Standard	ISO 8655-6:2002
Temperature (°C)	23±2	Humidity (%RH)			VCI-L03-WI-MASS-003
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	VCI-E00-VVI MI ISS STE

Standard Used

	Standard	Usea			Make/Model	Traceability	Valid till
I	SI. No.	Description	ID.No. / SI. No.	Certificate No.		Venus Calibration CC-	
l		Electronic Semi Micro	VCI-M-SMB-067	CC-23-24-S-296/01	Radwag/AS 82/220.R2.PLUS	2725	27.06.2024
١		Balance					

Z Factor: 1.00319

	Result of Calibration in µl										
Sl. No. Value Observed Readings							Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
		5.12	5.10	4.97	4.95	5.08	5.05	0.05	0.06	0.20	
1	5.00	5.13	5.07	5.02	4.98	5.04	2.00				

Note: Conformity Statement

Pass:	✓
rass:	

Remarks

- UUC is Defined as the Unit Under Calibration.
- 2. The Measurement uncertainty is expressed at 95.45% confidence level with coverage factor k =2.
- 3. This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements.
- 4. Calibration of the UUC are traceable to National / International Standards.
- 5. This report shall not be reproduced in full/ part without prior permission of Venus Calibration and Instruments.
- 6. The recalibration interval shall be determined on the user requirements.
- 7. Nabl-133 guidelines are adopted for use of NABL symbol.
- 8. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Checked & Issued by:

R.Bhuavneshwari

RiB

(Engineer - Calibration)

********END OF THE CERTIFICATE***

Authorised by:

C.Dhinakarah

(Technical/Quality Manager)

No.16, 6th Street, Annai Sathya Nagar, Poothapadu Ramapuram, Chennai - 89. Ph: +91 44 2476 0533 /0633, Mob: 90031 20649, 9789893643, 8807402558

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CERTIFICATE OF CALIBRATION

					Page, No : 1 of 1
Certificate No: CC-23-24-L-336/0	3			III D M.	CC272523000005051P
Customer Name & Address				ULR No.	VCI-23-24-1-336
M/s. BIO MICRO LABORA	TORIES			SRF No.	31.10.2023
No.67, Alagapuram Ma				Date of Receipt	
				Date of Calibration	31.10.2023
Opp Suramangalam Police Station,				Due Date for Calibration	30.10.2024
Salem - 5.				Date of Issue	01.11.2023
Details of Unit Under Calibration	on			-	
Description	Micro Pipe	tte		Make	Dragon Lab
	100 - 1000µ			Model	
Range	<u> </u>			Material	pvc
Resolution	5 μl	200044		Operating Range	100 - 1000µl
Serial Number	YE223AX0	099066		Condition of UUC	Good
ID Number	BML-P4			-	
Cal. At	Mechanica	l Lab		Instrument Location	
				Calibration M	ethod Used
Envir	onmental C				ISO 8655-6:2002, ISO 8655-2:2002
Temperature (°C)	23±2	Humidity (%RH)	55±15	National / International Standard	VCI-L03-WI-MASS-003
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	VCI-L03-VVI-WIADO-003

Stan	dard	Used
اللفاق	uaru	Uscu

Standard	Useu	_	- 10	Make/Model	Traceability	Valid till	
SI. No.	Description	ID.No. / SI. No.	Certificate No.				
	Electronic Semi Micro		CC-23-24-S-296/01	Radwag/AS	Venus Calibration CC-2725	27.06.2024	
1	Palance	VCI-M-SMB-067	CC-23-24-3-250/01	82/220.R2.PLUS			

Z Factor: 1.00319

	Result of Calibration in μ ^μ											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)		
		100.52	100.56	100.50	100.48	100.45	100.51	0.51	0.04	1.00		
1	100	100.49	100.58	100.51	100.47	100.54	100.51					
		500.98	500.91	500.97	501.18	500.99	500.99	0.99	0.12	1.00		
2	500	500.83	500.94	500.90	501.20	500.97						
		1001.04	1001.10	1001.07	1001.15	1001.20	1001.12	1.12	0.06	1.00		
3	1000	1001.02	1001.12	1001.18	1001.20	1001.15						

Note: Conformity Statement

Remarks

- 1. UUC is Defined as the Unit Under Calibration
- 2. The Measurement uncertainty is expressed at 95.45% confidence level with coverage factor k=2.
- 3. This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements
- 4. Calibration of the UUC are traceable to National / International Standards.
- 5. This report shall not be reproduced in full/ part without prior permission of Venus Calibration and Instrumer
- 6. The recalibration interval shall be determined on the user requirements.
- 7. Nabl-133 guidelines are adopted for use of NABL symbol.
- 8. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.
- 9. Our Nabl Scope is Upto 10µl to 10ml.
- 10. The Deviation is within MPE, So after calibration is not required.

Checked & Issued by:

R.B R. Bhuvaneshwari

(Engineer - Calibration)

*******END OF THE CERTIFICATE**



(Technical / Quality Manager)

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CERTIFICATE OF CALIBRATION

Certificate No: CC-23-24	-L-336/02	49.20°	Page. No: 1 of 1
Customer Name & Add	ress	ULR No.	CC272523000005050F
M/s. BIO MICRO L	ABORATORIES	SRF No.	VCI-23-24-L-336
No.67, Alagap	uram Main Road,	Date of Receipt	31.10.2023
Opp Suramang	galam Police Station,	Date of Calibration	31.10.2023
Salem - 5.		Due Date for Calibration	30.10.2024
		Date of Issue	01.11.2023
Details of Unit Under C	alibration		
Description	Micro Pipette	Make	~
Range	10 - 100 μl	Model	-
Resolution	0.5 μΙ	Material	pvc
Serial Number	282672	Operating Range	10 - 100 µl

Enviro	onmental C	ondition		Calibration Meth	od Used
Temperature (°C)	24.3	Humidity (%RH)	57	National / International Standard	ISO 8655-6:2002, ISO 8655-2:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	VCI-L03-WI-MASS-003

Condition of UUC

Instrument Location

Standard Used

ID Number Cal. At

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	VCI-M-SMB-067	CC-23-24-S-296/01	Radwag/AS 82/220.R2.PLUS	Venus Calibration CC-2725	27.06.2024

Z Factor: 1.00319

Good

Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
		10.15	10.11	10.07	10.10	10.14	10.11	0.11	0.03	0.20
1	10	10.12	10.16	10.06	10.13	10.10				
	50	49.78	49.83	49.75	49.81	49.74	49.77	-0.23	0.04	0.20
2		49.70	49.77	49.73	49.78	49,83				
	100	99.48	99.56	99.50	99.45	99.47	99.50	-0.50	0.04	0.20
3		99.52	99.57	99.51	99.48	99.46				

Note: Conformity Statement

Remarks

- 1. UUC is Defined as the Unit Under Calibration.
- 2. The Measurement uncertainty is expressed at 95.45% confidence level with coverage factor k-2.
- 3. This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements.
- 4. Calibration of the UUC are traceable to National / International Standards.

BML-P3

Mechanical Lab

- 5. This report shall not be reproduced in full/ part without prior permission of Venus Calibration and Instruments.
- The recalibration interval shall be determined on the user requirements.
- 7. Nabl-133 guidelines are adopted for use of NABL symbol.
- 8. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.
- 9. Our Nabl Scope is Upto 10µl to 10ml.
- 10. The Deviation is within MPE, So after calibration is not required.

R.Bhuvaneshwari

(Engineer - Calibration)

******END OF THE CERTIFICATE



(Technical / Quality Manager)

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CERTIFICATE OF CALIBRATION

	2 225 M4			Page. No: 1 of 1		
Certificate No: CC-23-24-			ULR No.	CC272523000005049F		
Customer Name & Addre			SRF No.	VCI-23-24-L-336		
M/s. BIO MICRO LA			Date of Receipt	31.10.2023 31.10.2023 30.10.2024		
No.67, Alagapur	lam Police Station,		Date of Calibration			
Salem - 5.	lant Ponce Station		Due Date for Calibration			
Salem - 5.			Date of Issue	01.11.2023		
Details of Unit Under Ca	libration					
Description Micro Pipette Range 100 µl Resolution NA Serial Number –			Make			
		-55-1	Model	-		
			Material	pvc		
			Operating Range	<u>10</u> 0 μ l		
D Number			Condition of UUC	Good		
Cal. At Mechanical Lab			Instrument Location			
			•			
	Environmental Condition		Calibratio	n Method Used		
(0.00)	Data Humidity (%RH)	57	National / International Standard	ISO 8655-6:2002, ISO 8655-2:2002		

mental Co	ondition		Calibration Method Used			
		57	National / International Standard ISO 8655-6:2002, ISO 8655-2:2002			
	,	-		VCI-L03-WI-MASS-003		
2	4.3		4.3 Humidity (%RH) 57	4.3 Humidity (%RH) 57 National / International Standard		

Standard Used

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till	
1	Electronic Semi Micro Balance	VCI-M-SMB-067	CC-23-24-S-296/01	Radwag/AS 82/220.R2.PLUS	Venus Calibration CC-2725	27.06.2024	

Z Factor: 1.00319

Result of Calibration in μl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
		100.02	100.41	100.45	100.38	100.30	100.39	0.39	0.05	0.20
1	100	100.39	100.47	100.35	100.39	100.43	203.07	2.27		

Note: Conformity Statement

Remarks

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Checked & Issued by:

R.Bhuvaneshwari

R.R

(Engineer - Calibration)

*******END OF THE CERTIFICATE



(Technical / Quality Manager)

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